

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.yy**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000190**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 10-Jul-2007**Location:** Changxing Island, Shanghai, China**Submittals(New / Total):****CWR's:** 0 / 0**HSR's:** 0 / 0**NCR's:** 0 / 2

Item	Title	Detail
1	Major component movement	<p>QA observed welding of the following PQR:</p> <p>HP2007249, 4G SMAW (THJ506Fe-1 E7018-1) on 485W material, welding is complete.</p> <p>HP2007247-1, 4G FCAW using Supercored 71H, rejected by ABF for crater cracks</p> <p>HP2007145-1, 2F SMAW (E9018) on HPS 485W material, welding is complete</p> <p>HP2007146-1, 3F SMAW (E9018) on HPS 485W material, welding is complete</p> <p>QA observed Moody International conducting the following welder qualifications:</p> <p>33 FCAW welded - 15 accepted by Moody = 45% acceptance rate</p> <p>20 SMAW welded - 6 accepted by Moody = 30% acceptance rate</p> <p>5 SAW welded - 4 accepted by Moody = 80% acceptance rate</p> <p>The test plates still require both RT and mechanical testing</p>
2	Meetings attended	The 1500 schedule meeting with ABF was cancelled due to ongoing internal ABF/ZPMC meetings.
3	Other important observations	<p>QA traveled to Shan Xun Machine Shop to observe the cutting of PQR HP-2007144. The RT film had previously been reviewed and identified with what appeared to be a rejectable indication. ABF had asked to be allowed to cut the plate to determine if the RT indication was caused by root undercutting rather than an actual defect. Visual observation of the cut test plate revealed that the RT indication was caused by multiple lack of fusion and slag inclusion defects that were space vertically in line through the plates cross section. ABF was informed of the findings and the PQR was rejected.</p> <p>QA observed the following number of personnel performing work on the ABF closed-rib and tower mock-ups including welders, ZPMC QC and</p>

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ABF Representatives:

Closed-rib: 6

Tower Mock-ups: 8

4	Quality Assurance Inspectors per shift	3 AM (Acuna, Berger, Cuellar)
		0 PM

Inspected By:	McClary,David
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Quality Assurance Inspector

Reviewed By:	Lowry,Patrick
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QA Reviewer
